

AMENDMENTS TO THE CLAIMS:

Claims 1-6 (Canceled)

7. (Currently Amended) A motor driving device comprising:

a motor;

a motor driver circuit for controlling motion of the motor; and

[[a]] an externally fitted resistor provided in a line by way of which electric power is supplied to the motor,

wherein the motor driver circuit limits a current supplied to the motor below a predetermined limit value by comparing a voltage across the resistor with a single reference voltage and performing feedback control in such a way that [[a]] the voltage across the resistor is kept below [[a]] the predetermined voltage.

8. (Original) A motor driving device as claimed in claim 7,

wherein the limit value can be adjusted by varying the resistance of the resistor.

9. (Original) A motor driving device as claimed in claim 7,

wherein the limit value is brought down to a predetermined value that is required to drive the motor so that the motor is driven with a constant current.

10. (Original) A motor driving device as claimed in claim 7,

wherein the limit value is brought up above a predetermined value that is required to drive the motor so that the motor is driven in a saturated state.

11. (Original) A motor driving device as claimed in claim 7,
wherein the motor driving device has a USB (universal serial bus) as an interface bus and is designed as a bus-powered device that is supplied with electric power via the USB.

12. (Original) A motor driving device as claimed in claim 7,
wherein the motor driving device is a disk device and the motor is a stepping motor.

13. (Currently Amended) A disk device comprising:
a head for writing and reading data to and from a disk;
a stepping motor for moving the head stepwise in a direction of a radius of the disk;
a stepping motor driver circuit for controlling the stepping motor; and
[[a]] an externally fitted resistor provided in a line by way of which electric power is supplied to the stepping motor,

wherein the stepping motor driver circuit limits a current supplied to the stepping motor below a predetermined limit value by comparing a voltage across the resistor with a single reference voltage and performing feedback control in such a way that [[a]] the voltage across the resistor is kept below [[a]] the predetermined voltage.

14. (Original) A disk device as claimed in claim 13,
wherein the limit value can be adjusted by varying the resistance of the resistor.

15. (Original) A disk device as claimed in claim 13,
wherein the limit value is brought down to a predetermined value that is required to drive the stepping motor so that the stepping motor is driven with a constant current.

16. (Original) A disk device as claimed in claim 13,
wherein the limit value is brought up above a predetermined value that is required to drive the stepping motor so that the stepping motor is driving in a saturated state.

17. (Original) A disk device as claimed in claim 13,
wherein the disk device has a USB (universal serial bus) as a interface bus and is designed as a bus-powered device that is supplied with electric power via the USB.